

Intelli Proof 230



no defects in a A5 landscape center, max 2 in the remaining area



HD ready proof-display with automatic 14 bit hardware calibration

Quato Intelli Proof TFT-display

Intelli Proof displays are perfectly suited for all graphic professionals and have been developed with the demands of the graphic arts business in mind. The integrated direct USB-hardware calibration adjusts whitepoint, gamma and luminance with up to 42 bit precision, based on 48 bit numerics. The user friendly iColor Display software is easy to use and makes the complete calibration process a snap. The sophisticated software and hardware - combined with the 30 bit color output and the integrated UGRA certification - ensures highly precise soft proofs and smooth gradients.

- › 30 bit internal and external color
- › 42 bit internal precision with 48 bit software precision
- › direct USB-control of the 3x 14bit LUT and the luminance inside the monitor
- › up to 300 cd/qm luminance, contrast 800:1
- › iColor Display 2 calibration software and hood included
- › precise 4 - channel colorimeter optional available
- › ugra display analysis and certification integrated into the Software
- › reference mode for exact monitor to monitor matching

Features

Precise adjustments

The Quato iColor Display Software adjusts the Intelli Proof's internal calibration processing unit with up to 42 bit resolution. Instead of up to 256 steps with a software calibration, this solution uses up to 16.384 steps to optimize the display. Additionally the monitor is able to show 1024 gray or billions of colors by using a frame modulation technology. These features and the precise calibration algorithm ensure color deviation inside the gamut of less than 1ΔE Lab and a graybalance of less than 1ΔC.

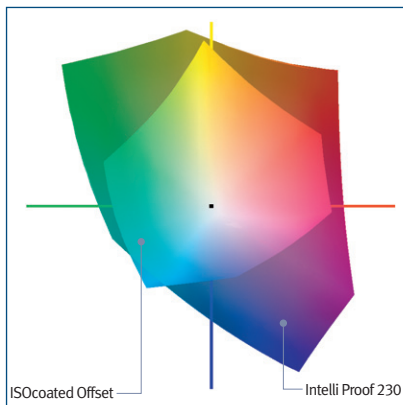
Software

iColor Display not only adjusts the monitor automatically, it also sports many professional features: the calibration results can be verified by either Quato's internal certification, the ugra-DACT standard or according to SWOP. That allows an objective judgement of the displays's performance - including the certification for softproofing. A unique calibration restore function is also available. The gamut projection with a/b diagramm - in comparison to the offset printing reference ISOcoated - is included, too.

Picture quality

Thanks to the pure digital DVI-connection, the Intelli Proof's display performance is always perfect. Crisp images, high contrasts and smooth gradients are now available on the desktop. The dual domain S-IPS Panel combines a HD ready 1920 by 1200 pixel resolution with 30 bit output and high viewing angles. It allows to show a double A4 page plus palettes on one monitor. The Intelli Proof 230 is therefore the ideal monitor for every large format and color confident working environment.

Display and gamut



Absolute colorimetric gamut projection

The absolute colorimetric projection shows the high matching of the display's gamut with the offset reference and allows perfect soft proofs.



UGRA Display Analysis and Certification Tool (DACT)

The integrated UGRA DACT enables the user to analyse and certify the monitor according to the specifications of the UGRA for proof displays.



Precise color calibration

The optimal partner for the combination of Intelli Proof monitor and iColor Display 2 software is the precise Silver Haze Pro colorimeter (optional).

Specifications

Panel type

Dual-Domain S-IPS

Panel size, speed, viewing angle

23" - 58,5cm, 12ms
0.258mm pixel pitch, 98dpi

Contrast and brightness

800:1, 300cd/m² (typical)

Native resolution and colors

1920 x 1200 Pixel @ 30bit (Frame-Modulation)

Frequencies

Horizontal 30- 92kHz, vertical 50 - 85Hz

Connection

1x digital DVI-D, 1x analogue VGA, combined USB-port for calibration and uplink, internal active 2 port USB-2.0-Hub, 100mm VESA-mount

Ergonomics

Swivel: -90° bis +90°
Tilt: -5° bis +35°
Height adjustment: 0-6 cm

Operating systems

Mac OS 9.2.2 und X (PPC/Intel) / Win 2000, XP

Pixel error policy

ISO 13406-II
no defects in the center

Waranty

36 month (EC only)

Dimensions and weight

535 mm x 520 mm x 220 mm (w/o hood)
15kg (w/o hood)

Power consumption

Max. 80 watts in use, 0 Watt (off)

EMI-certifications

TCO 95, TÜV-type approved, FCC, CE, UL

Calibration

Automatic 42bit USB-hardware calibration with 3x 14 bit Look-Up Table and luminance (backlight brightness) inside the monitor, dedicated luminance stability circuit, ugra/fogra display analysis built-in

Software

automatic hardware calibration, calibration fine tuning, LUT- or Matrix/TRC-profile, DeltaE (LAB) certification of the profile and ugra/fogra display analysis, profile validation, a/b gamut projection in comparison to ISOcoated offset printing reference

Measurement device

Optional 4-channel Silver Haze Pro colorimeter

Supported measurement devices

Gretag Macbeth Eye-One series, Sequel Gamma 4cl colorimeter/OEM-Versions, Silver Haze (Pro) colorimeter, X-Rite DTP-94, Monaco Optix (XR)

Part number

080205 Intelli Proof 230 Pro
Monitor, software, hood, sensor

Intelli Proof 230 Basic
Monitor, software, hood



Specifications are subject to change without notice